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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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                                                                                                                                                                                                    Score
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seq length: 2000000000
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2: /SIDS1/gcgda
3: /SIDS1/gcgda
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275
1 GDDDDPFKRYEDCRRRCEWDT.....
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// SIDS1/gcgdata/geneseq//geneseqp/AA1986.DAT: *
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Gapop 10.0 ,
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W62831
R20181
R202829
W62828
W62830
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R12844
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                                                                                                                                                                                                                                                                                        chance to have a result being printed,
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Theobroma cacao an
Sequence encoded b
Macadamia integrif
Macadamia integrif
Macadamia integrif
Human Machado-Jose
Stenocarpus sinuat
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                 HTLV-1 protein exp
Expressed antigen
Dirofilaria immiti
Chlamydia pneumoni
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ü	Y30795	20	9	0	57	
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5 E	Y55850	21	443	0.	7	
w	Y84707	21	443	0	7	
Amino acid sequenc	Y84706	21	443	0.	7	
Extracellular prot	Y16587	20	443	0	7	
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æ	¥30409	20	181	0.	7	
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nematode e	Y30436	20	162	0	7	
Neisseria meningit	Y74315	21	84	1.	58	
3	Y74316	21	71	-	58	
o acid	Y53898	21	2150	21.5	59	
Human disintegrin	W70456	19	799	-	59	
=	W35293	18	799	۲	59	
n disintegrin	Y16776	20	748	<u>.</u>	59	
sapiens tran	W56132	19	748	۲	59	
nt human disi	W70457	19	748	<u>. </u>	59	
Human Kuz amino ac	Y79033	21	691	<u>. </u>	59	
man disintegrin	529	18	491	۳.	59	
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Chlamydia pneumoni	Y34602	20	₩.		60	

ALIGNMENTS

RESULT

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The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian % \left( 1\right) =\left\{ 1\right\} 
                                                                                                                                        Claim 1; Page 49-51; 96pp; English.
                                                                                                                                                                                                                       Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gossypium hirsutum
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plants or mammals
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RESULT
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Best Local S
Matches 47
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Best Local Similarity
Matches 19; Conserv
                                       Sequence encoded by 67 kD T. cacao protein cDNA
                                                                                                                     16-APR-1992
                                                                                                                                                                                                R20181;
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Pred. No. 2.1e-06;
2; Mismatches 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 525;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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W62829
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Matches
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20-DEC-1996;
                                                                              22-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                  Protein
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                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide
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Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The inventors claim a 67 kD and 31 kD T. cacao protein, and fragments, and encoding DNAs. The 47 kD and 31 kD proteins are derived from the 67 kD precursor. T. cacao protein cDNA was detected in a cDNA library prepared from immature cocoa beans RNA using a probe based on the AA sequence of a CNBr peptide common to the 47 kD and 31 kD polypeptides. Homology searches revealed close homologies between the 67 kD polypeptide and the vicilins, which are
                                                                                                                                                                                                                                                      Macadamia
                                                                                                                                                                                                                                                                                                                                                                                                                                                               W62829 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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N-PSDB; Q20377.
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                                                                                                                                                                                                                                                                                           antimicrobial protein; infestation; control
                                                                                                                                                                                                                                                                                                                                  Macadamia integrifolia antimicrobial protein
                                                                                                                                                                                                                                                                                                                                                                            27-OCT-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 4; Fig 2; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Recombinant cocoa proteins - are responsible for flavour in cocoa beans and produced in large quantities using yeast and bacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Spencer ME, Hodge R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-JUN-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    seed storage proteins.
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97WO-AU00874
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                                                                                                                        "mature protein'
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Pred. No. 2.2e
12; Mismatches
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Best Local Similarity
Matches 16; Conserv
                                                               The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian % \left( 1\right) =\left\{ 1\right\} 
                                                                                                                                                                                                                                                                                Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammals % \left( 1\right) =\left( 1\right) +\left( 1\right) 
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N-PSDB; V42310.
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                                                                                                                                                                                                   Claim 1; Page 34-36; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bower NI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            W62828 standard; Protein; 666 AA
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35.6%;
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Best Local Similarity 29.5%
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Peptide
                                   Y33492 standard; Protein; 360 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammals \ensuremath{\mathsf{N}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1998-377279/32.
N-PSDB; V42316.
                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                             animals.
                                                                                                                                                                                                                                                                                                                                                           The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian
                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Page 43-45; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bower NI, Goulter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Macadamia integrifolia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antimicrobial protein; infestation; control
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Macadamia integrifolia antimicrobial protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W62830 standard; Protein; 625 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-JUL-1998.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-OCT-1998 (first entry)
                                                                                                                              80 dpqqqyeqcqkrcqrreteprhmqicqqrcerryekekrkqqkr 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            76 edpqtecqqcqrrcrqqesgprqqqycqrrckeiceeeeeynrqr 120
                                                                                                                                                    4 DPPKRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQRHR 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 DDPPKRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQRIIR 47
                                                                                                                                                                                                                                                                                                       625 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         666 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96AU-0004275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97WO-AU00874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "signal peptide"
29..666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "mature protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                        32.0%; Score 88; DB 19; Length 625; 29.5%; Pred. No. 0.025; ative 15; Mismatches 16; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           33 . 55
36 36
37 . 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 92; DB 19; Length 666; Pred. No. 0.0097; 9; Mismatches 21; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Marcus
                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                        0;
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RESULT
W62841
ID W6
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AC W6
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AC W6
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DT 27
XX
DE St
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                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes novel pure proapoptotic dependence peptides which comprise a sequence of an active dependence domain selected from dependence polypeptides consisting of p75NTR, androgen receptor, DCC, huntingtin polypeptide, Machado-Joseph disease gene product, SCA1, SCA2, SCA6 and atrophin-1 polypeptide. The proapoptotic peptides are capable of inducing cell death and can be used to develop products to mediate or inhibit apoptosis. The methods can be used for reducing the severity of a proapoptotic dependence domain mediated pathological conditions e.g. Huntington's disease, Alzhelmer's disease, Kennedy's disease,
                Stenocarpus
                                                                                                                                                                                                                                                                                                                                                                                        Spinocerebellar ataxias, dentatorubropallidoluysian atrophy, Machado-Joseph disease, stroke or head trauma. They can also be used for reducing the severity of a pathological condition mediated by upregulated cell proliferation or cell survival e.g. neoplastic, malignant, autoimmune or fibrotic conditions. This sequence represents a human machado-Joseph disease associated protein described in the method of the
                                                                               W62841;
                                                                                                              W62841 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Proapoptotic; dependence domain; p75NTR; androgen receptor; DCC; huntingtin polypeptide; Machado-Joseph disease; SCA1; SCA2; SCA6; atrophin-1; cell death; apoptosis; Huntington's disease; head trauma; Alzheimer's disease; Kennedy's disease; spinocerebellar ataxia; stroke; dentatorubropallidoluysian atrophy; cell proliferation; cell survival; neoplastic; malignant; autoimmune; fibrotic.
                                                27-OCT-1998
                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 95-96; 199pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New proapoptotic dependence peptides, used treating, e.g. Alzheimer's disease -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bredesen DE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-MAR-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-SEP-1999.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human Machado-Joseph disease associated protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-JAN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (BURN-) BURNHAM INST
                                                                                                                                                                                               279
                                                                                                                                                                                                                               10
                                                                                                                                              8
                                                                                                                                                                                                                | EDCRRRCE--WDTRGQKEQQQCEESCKSQYGEKDQQQRHR 47
                                                                                                                                                                                       |:|:|| :: ||:|| :: : | ...|...| 318
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                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                              360
               sinuatus antimicrobial protein
                                                                                                                                                                                                                                                             Conservative
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                                               (first entry)
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                                                                                                              Protein; 28
                                                                                                                                                                                                                                                                              22.5%;
35.0%;
                                                                                                                                                                                                                                                             12;
                                                                                                                                                                                                                                                            Score 62; DB Pred. No. 12; 12; Mismatches
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                                                                                                                                                                                                                                                                                            20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to develop products for
                                                                                                                                                                                                                                                            12;
                                                                                                                                                                                                                                                                                            Length 360;
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RESULT
R12844
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Best Local
Claim 1; Column 16; 15pp; English
                            Proteins encoded by ribonucleic acid anti-sense strand - 	extbf{T}-cell leukaemia virus 	extbf{1} viral RNA useful as diagnostic a
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel anti-microbial protein from e.g. Macadamia integrifolia useful for controlling microbial infestations of plants or mammals \ensuremath{\mathsf{N}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Stenocarpus sinuatus
                  vaccines and therapeutic
                                                         N-PSDB; Q12502
                                                                                      Brunck TK,
                                                                                                        (TRIT-) TRITON BIOSCIENCES
                                                                                                                                               27-JUN-1988;
                                                                                                                                                                                       US4999421-A
                                                                                                                                                                                                         Human T cell
                                                                                                                                                                                                                             human T-cell lymphotrophic virus-1;
                                                                                                                                                                                                                                               HTLV-1 protein expressed by antisense nucleotides 1589-2383
                                                                                                                                                                                                                                                                   18-SEP-1991
                                                                                                                                                                                                                                                                                       R12844;
                                                                                                                                                                                                                                                                                                         R12844 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  animals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The sequence is that of an antimicrobial protein which can
be used to control microbial infestations in plants and ma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bower NI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antimicrobial protein; infestation; control.
                                                                                                                                                                   12-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                                                                                                                                                                                         N
                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                DPPKRYEDCRRRCEWDTRGQKEQQQCE 30
                                                                  1991-206841/28
                                                                                                                                                                                                                                                                                                                                                        dpirqqqlcqmrcqqqekdprqqqqck 28
                                                                                                                                                                                                                                                                                                                                                                                             Similarity
9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Page 66; 96pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                             28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Goulter KC,
                                                                                      Larocca
                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                         lymphotrophic virus
                                                                                                                                                                                                                                                                                                                                                                                                                                              AA;
                                                                                                                             88US-0211749
                                                                                                                                               88US-0211749.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96AU-0004275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  97WO-AU00874.
                                                                                                                                                                                                                                                                                                         Protein;
                                                                                     DJ,
                                                                                                                                                                                                                                                                                                                                                                                                       22.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Green JL,
                                                                                      Monahan JJ
                                                                                                                                                                                                                                                                                                         265
                                                                                                                                                                                                                                                                                                                                                                                                       Score 61;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Manners JM,
                                                                                                                                                                                                                             ORF; vaccine; antisense RNA
                                                                                                                                                                                                                                                                                                                                                                                                      DB
1.2;
                                                                                                                                                                                                                                                                                                                                                                                                                19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Marcus JP;
                                                                                                                                                                                                                                                                                                                                                                                                               Length 28;
                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mammalian
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Query Match
Best Local S
Matches 13
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Best Local :
                                                                                                                          The present sequence represents a Helicobacter pylori antigenic protein that is characterised by immunoreactivity with H. pylori-positive antisera. The proteins are highly immunogenic and induce a long-lasting immune response that persists even after antimicribial treatment. In antibody-detection assays, on sera, plasma, urine, saliva etc., they are highly sensitive and specific. The specification also describes 69 previously unrecognised immunogenic cluster families. H. pylori antigens are used to detect H. pylori-specific antibodies, for diagnosing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This polypeptide is encoded by nucleotides 1589-2383 in the reverse complement of the HTLV-I genome (complementary on uncleotides 7479-6685, 3'-5' of the HTLV-I sense mRNA). Peptide fragments corresponding to at least 10 amino acids from this sequence are disclosed. See also Q12499-Q12501 and Q12503.
                                                                                                                                                                                                                                                                           New Helicobacter pylori antigens and related nucleic acid sequences - useful in serological diagnosis and protective vaccines, providing long-lasting immune response
                                                                                                                                                                                                                                                 Claim 16; Page 336-337; 402pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                           14-OCT-1997;
25-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W90009;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W90009 standard;
                                                                 Sequence
                                                                                                   infection or to confirm eradication of infection, and in vaccines to protect against H. pylori infection and related diseases (gastritis,
                                                                                                                                                                                                                                                                                                                               WPI; 1999-009433/01.
                                                                                                                                                                                                                                                                                                                                                                                 (GENE-) GENELABS TECHNOLOGIES INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-NOV-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     W09849314-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Helicobacter pylori.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       peptic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Expressed antigen for cluster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
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nes 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GDDDPPK--RYEDCRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQRHR 47
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 L Similarity
13; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ulcer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    immunogenic
                                                                                                                                                                                                                                                                                                                                                        Fry
                                                                  259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            265 AA
    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                           gastric
                                                                                                                                                                                                                                                                                                                                                        KΕ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gastric
                                                                  AA;
                                                                                                                                                                                                                                                                                                                                                                                                          97US-0061958.
97US-0045107.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Protein;
                                                                                                                                                                                                                                                                                                                                                        Lim MY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22.2%;
             21.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cluster family;
                                                                                        adenocarcinoma/lymphoma).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     adenocarcinoma; gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           259
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Score 60; DB Pred. No. 14; 9; Mismatches
  9;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vaccine;
          DB
14;
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11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12;
                           20;
 12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      lymphoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gastritis; diagnosis;
                        Length 259;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 265,
Indels
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                                                                                                                   vaccines to
4;
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Gaps
                                                                                                                                                                  they are
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RESULT 12
Y35710
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R60054
Вþ
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                                                                                                                                                                                        Query Match
Best Local
                                                                                                                                                                             Matches
                          Chlamydia pneumoniae transmembrane protein sequence
                                                                                                                                                                                                                                                                  The sequence is that of the protein product of larval Dirofilaria immitis clone p4. The parasitic helminth protein can be used to protect animals against helminth infection, esp.
                                               13-SEP-1999
                                                                                     Y35710
                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                          Disclosure; Page 121; 154pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dirofilaria immitis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Clones; p4; p22U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R60054 standard; Protein; 303
                                                                                                                                                                                                                                                 See also R60055.
                                                                                                                                                                                                                                                                                                                              New parasitic helminth proteins, pref. used to protect animals from helminth
                                                                                                                                                                                                                                                                                                                                                             N-PSDB; Q70048
                                                                                                                                                                                                                                                                                                                                                                      WPI; 1994-248861/30
                                                                                                                                                                                                                                                                                                                                                                                          Frank GR,
                                                                                                                                                                                                                                                                                                                                                                                                                                           19-AUG-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-JAN-1993;
12-JAN-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-JAN-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9415593-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Dirofilaria immitis parasitic helminth protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           R60054;
                                                                                                                                                                                                                                                             heartworm.
                                                                                                                                                                                                                                                                                                                                                                                                            (PARA-) PARAVAX INC.
(COLS ) UNIV COLORADO STATE
                                                                                                                                        262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              173 kaykdcvsk----arnekekgeceklltpearkklegg
                                                                                                                                                                            Local Similarity 37.5 hes 15; Conservative
                                                                                                                                                        8 RYEDCRRRCEWDTRGQKEQQQCE-ESCKSQYGEKDQQQRH 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7 KRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQ 44
                                                                                                                                     rqeeererqeqerr-qkerermeqerirqeydekerqrqy 300
                                                                                     standard; Protein; 810
                                                                                                                                                                                                                                                                                                                                                                                          Grieve RB,
                                                                                                                                                                                                                              303 AA;
                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                         93US-0003257.
93US-0003389.
93US-0109391.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  94WO-US00679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                infection;
                                                                                                                                                                                      21.8%;
                                                                                                                                                                                                                                                                                                                                                                                         Mika-grieve M,
                                                                                                                                                                             12;
                                                                                                                                                                          Score 60; DB 1
Pred. No. 16;
12; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                              RES
                                                                                                                                                                                                                                                                                                           English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 heartworm; vaccine;
                                                                                     AA
                                                                                                                                                                                                                                                                                                                                                                                                              FOUND
                                                                                                                                                                                                                                                                                                                              . from Dirofilaria infection, pref. l
                                                                                                                                                                                                                                                                                                                                                                                        Tripp CA;
                                                                                                                                                                                                 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               206
                                                                                                                                                                             11;
                                                                                                                                                                                               Length 303;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 larval.
                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                        immitis
                                                                                                                                                                             2
                                                                                                                                                                            Gaps
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sinusitis; purulent otitis media; erythema nodosum; pharyngitis;

Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis;

vaccine; neutralising

epitope

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ID
XX
ACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y34602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      especially epitope of
(GEST ) GENSET
                                                  04-NOV-1998;
21-NOV-1997;
                                                                                                                                                                                          03-JUN-1999
                                                                                                                                                                                                                                                   W09927105-A2
                                                                                                                                                                                                                                                                                                      Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                      vaccine; neutralising epitope.
                                                                                                                                                                                                                                                                                                                                                                                        sinusitis;
                                                                                                                                                                                                                                                                                                                                                                                                               Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chlamydia pneumoniae transmembrane protein sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Y34602;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleotides sequences can also be used as immunogenic compositions,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disease, sarcoidosis, sinusitis, purulent otitis media, crythema nodosum or pharyngitis. The polypeptides encoded by the open reading frames of the C. pneumoniae genome (see Y34584-Y35879) can be used in immunogenic compositions as vaccines. Vectors containing C. pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Y34584-Y35879 represent the proteins encoded by all the open reading frames in the complete genome (see X91990) of Chlamydia pneumoniae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-357842/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-NOV-1998;
21-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         W09927105-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chlamydia pneumoniae
                                                                                                                                     20-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y34602 standard; Protein; 810 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C. pneumoniae causes respiratory disease such as pneumonia and bronchitis and is thought to be a contributing factor in heart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page 1415-1416; Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GEST ) GENSET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      620 dedlrraytecqkrfqgdsglesevracreqlreriqefetq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
mes 11; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 DDDPPKRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQ 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence of Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                   purulent otitis media; erythema
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21.8%;
nilarity 26.2%;
Conservative 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   810 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      where the vector directs the expression of a neutralising {\tt C.} pneumoniae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                     98US-0107078
97FR-0014673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           98US-0107078
97FR-0014673
                                                                                                                                     98WO-IB01890
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 60; DB
Pred. No. 44;
12; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1912pp; English.
                                                                                                                                                                                                                                                                                                                                                                                     nodosum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20; Length 810;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                   pharyngitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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RESULT 14
W98879
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              y34584-y35879 represent the proteins encoded by all the open reading frames in the complete genome (see x91990) of Chlamydia pneumoniae. C. pneumoniae causes respiratory disease such as pneumonia and bronchitis and is thought to be a contributing factor in heart disease, sarcoidosis, sinusitis, purulent otitis media, erythema nodosum or pharyngitis. The polypeptides encoded by the open reading frames of the C. pneumoniae genome (see y34584-y35879) can be used in immunogenic compositions as vaccines. Vectors containing C. pneumoniae nucleotides sequences can also be used as immunogenic compositions, especially where the vector directs the expression of a neutralising epitope of C. pneumoniae.
                                                                                                                                                                                                       29-JUL-1997;
01-APR-1997;
24-JUN-1997;
                       Claim 8; Page
                                                                                                                                                                                                                                                          01-APR-1998;
                                                                                                                                                                                                                                                                                  08-OCT-1998
                                                                                                                                                                                                                                                                                                                                                           GHPO protein;
peptic ulcer
                                                                                                                                                                                                                                                                                                                                                                                                H. pylori GHPO 1755 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                        31-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    W98879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            W98879 standard; Protein; 1743 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Griffais
                                               infections and gastrointestinal diseases
                                                             New isolated Helicobacter polynucleotides - for the diagnosis, prevention and treatment
                                                                                                     N-PSDB;
                                                                                                               WPI; 1998-542293/46.
                                                                                                                                         Al-Garawi A,
                                                                                                                                                                   (INMR ) MERIEUX ORAVAX PASTEUR MERIEUX SERUMS
                                                                                                                                                                               (HUMA-)
                                                                                                                                                                                                                                                                                                           W09843478-A1
                                                                                                                                                                                                                                                                                                                                   Helicobacter pylori
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Page 625-627; Disclosure; 1912pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Genome sequence of Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-357842/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          620 dedlrraytecqkrfqgdsglesevracreglreriqefetq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 DDDPPKRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQ 43
                                                                                                     X14598
                                                                                                                                                                              HUMAN GENOME SCI INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           810 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                           disease.
                      2000-2008; 2054pp; English
                                                                                                                                         Kleanthous H,
                                                                                                                                                                                                       97US-0902615.
97US-0833457.
97US-0881227.
                                                                                                                                                                                                                                                                                                                                                                         Helicobacter infection; gastroduodenal disease; gastritis;
                                                                                                                                                                                                                                                          98WO-US06371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 60; DB
Pred. No. 44;
12; Mismatches
                                                                                                                                          Miller C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 44;
                                                                                                                                          Oomen RP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20;
                                                             used
of He
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                                                             ed to develop products 
Helicobacter
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           661
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This sequence represents a Helicobacter pylori GHPO protein of the

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RESULT 15
W62835
XX W62835
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XX Zea ma
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XX W09827:
XX RETR-
PD 02-JUL
XX 20-DEC
XX 20-DEC
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PI Bower
XX WPI; 1
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PT Useful
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XX Claim
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CC The se
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32222223
Search completed: March
Job time: 246 sec
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Best Local S
Matches 13
                                                                                                                                                 Query Match 21.6
Best Local Similarity 38.9
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention. The polypeptides can be used for preventing or treating Helicobacter infections, and gastroduodenal diseases associated with these infections, including acute, chronic, and atrophic gastritis, and peptic ulcer diseases, e.g. gastric and duodenal ulcers. They can also be used for the production of antibodies. The products can also be used for detection and diagnosis.
                                                                                                                                                                                                                                                                                     The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian
                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                          animals
                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 58-60; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                         Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammals
                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1998-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antimicrobial protein; infestation; control.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             W62835;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             W62835 standard; Protein; 593 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bower NI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     W09827805-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Zea mays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zea mays antimicrobial protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-OCT-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12 CRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQ-RH 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 21.8%;
Local Similarity 34.2%;
nes 13; Conservative
                                                                                   40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7 KRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQ 44
                                                                              cvrrce--drpwhqrprcleqcreeerekrqersrh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goulter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1743 AA;
                                                                                                                                                                                                                                         593 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96AU-0004275.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   97WO-AU00874.
                 1,
                                                                                                                                                                     21.6%;
                2001, 15:47:21
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Green JL,
                                                                                                                                                 ; Score 59.5; DB; Pred. No. 36; 7; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 60; DB Pred. No. 94; 9; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 19; Length 1743; 94;
                                                                                 73
                                                                                                                                                                                     DB 19;
                                                                                                                                                   12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Marcus JP;
                                                                                                                                                                                     Length 593;
                                                                                                                                                   Indels
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                                                                                                                                                 Gaps
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